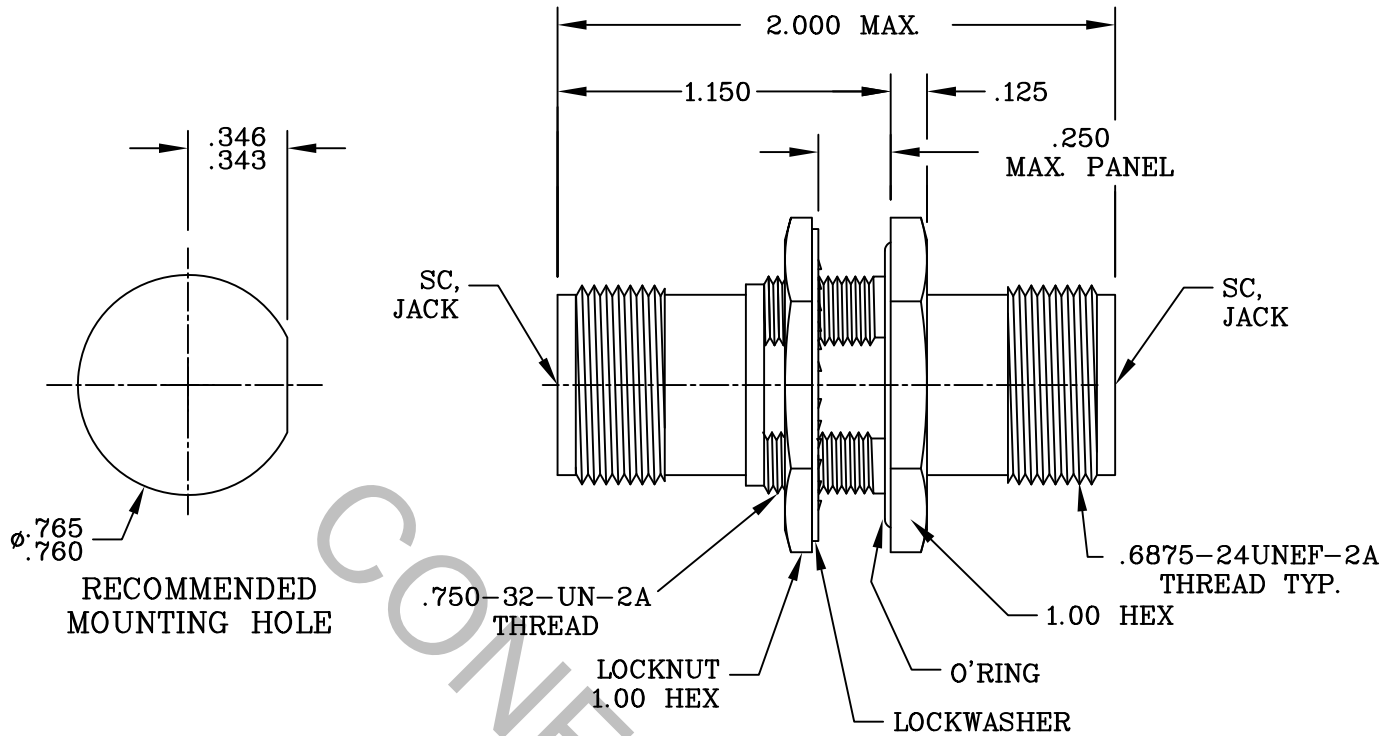


# SPECIFICATION CONTROL DRAWING



1. MATING INTERFACE DIMENSIONS PER MIL-STD-348, (Fig. 309.2).

## 2. ELECTRICAL

FREQUENCY RANGE GHz	_____	DC TO 2.0 GHz.
VSWR (MAX.) *	_____	1.15
INSERTION LOSS (dB MAX.) *	_____	0.20 dB
NOMINAL IMPEDANCE (OHMS)	_____	50
VOLTAGE RATING (MAX. VRMS)	_____	1,000
RF LEAKAGE (MIN. dB DOWN)	_____	-100 dB - FGHz
TEMPERATURE RATING (DEGREES CENTIGRADE)	_____	-65°c TO + 100 °c
DIELECTRIC WITHSTANDING VOLTAGE (MAX. VRMS)	_____	3,500
INSULATION RESISTANCE (MIN. MEGOHMS)	_____	10,000
CONTACT RESISTANCE		
• CENTER CONTACT (MAX. MILLIOHMS)	_____	6.0
• OUTER CONTACT (MAX. MILLIOHMS)	_____	2.0

\*TERMINATED IN A 50 OHM LOAD

REV.	DCN NO.	DATE	APP.	DIMENSIONS ARE IN INCHES TOLERANCES			 HAVERHILL, MA. 01835
				DECIMALS	FRACTIONAL	ANGULAR	
AA	06-2170	9/19/06	TS	.X ± .030 .XX ± .010 .XXX ± .005	±/64	X ° ± 1 0' X ° X' ± 15'	TITLE  SC, JACK TO SC, JACK BULKHEAD ADAPTER  DWG. NO. 1110-7979-6251
AB	18-1598	5/31/18	TS				
				DRAWN	TS	DATE 9/19/06	
				APPROVED	DC	DATE 9/19/06	
				CODE IDENT.		SHEET 1 OF 1	
				2J899			

# SPECIFICATION CONTROL DRAWING

## 3. MECHANICAL

### CAPTIVATION-CENTER CONTACT

- MIN. AXIAL FORCE \_\_\_\_\_ 6.0 LBS.
- MIN. RADIAL TORQUE \_\_\_\_\_ N/A

### CENTER CONTACT AXIAL FORCES

- INSERTION (MAX. OUNCES) \_\_\_\_\_ 48.0
- WITHDRAWAL (MIN. OUNCES) \_\_\_\_\_ 2.0

CONNECTOR ENGAGEMENT/DISENGAGEMENT (MAX. LBS.) \_\_\_\_\_ 2.0

CONNECTOR DURABILITY (MIN. CYCLES) \_\_\_\_\_ 500

RECOMMENDED MATING TORQUE \_\_\_\_\_ 30 - 35 IN./LBS.

RECOMMENDED MOUNTING TORQUE \_\_\_\_\_ 45 - 55 IN./LBS.

## 4. ENVIRONMENTAL

TEMPERATURE CYCLING \_\_\_\_\_ MIL-STD-202, METHOD 102, COND. C ( -65°c TO +100°c )

SHOCK \_\_\_\_\_ MIL-STD-202, METHOD 213, COND. I (100 G's)

VIBRATION \_\_\_\_\_ MIL-STD-202, METHOD 204, COND. D (20 G's)

MOISTURE RESISTANCE \_\_\_\_\_ MIL-STD-202, METHOD 106, LESS STEP 7b

CORROSION \_\_\_\_\_ MIL-STD-202, METHOD 101, COND. B (48 HOURS)

BAROMETRIC PRESSURE (ALTITUDE) \_\_\_\_\_ MIL-STD-202, METHOD 105, COND. C ( 70,000 FT. ) ( 850 VRMS )

## 5. POWER

- a) 1.0 Ghz. + 40° C @ SEA LEVEL \_\_\_\_\_ 2000 WATTS CW
- b) 1.0 Ghz. + 100° C @ SEA LEVEL \_\_\_\_\_ 1500 WATTS CW
- c) 2.0 Ghz. + 40° C @ SEA LEVEL \_\_\_\_\_ 1600 WATTS CW
- d) 2.0 Ghz. + 100° C @ SEA LEVEL \_\_\_\_\_ 1200 WATTS CW

### OTHER ALTITUDE DE-RATING FACTORS:

- 1) 20,000 FEET, 80% OF VALUE SHOWN
- 2) 40,000 FEET, 60% OF VALUE SHOWN
- 3) 70,000 FEET, 40% OF VALUE SHOWN

## 6. MATERIAL

CONNECTOR BODY, LOCKNUT AND LOCKWASHER \_\_\_\_\_ STAINLESS STEEL PER ASTM A 582, TYPE 303, COND. A.

CENTER CONTACT \_\_\_\_\_ BERYLLIUM COPPER PER ASTM B 196, COPPER ALLOY UNS C17300.

INSULATOR \_\_\_\_\_ TEFLON PER ASTM D 1710

O'RING \_\_\_\_\_ SILICONE RUBBER PER MIL-R-6855, CLASS 1, GRADE 60.

## 7. FINISH

CONNECTOR BODY, LOCKNUT AND LOCKWASHER \_\_\_\_\_ PASSIVATE PER AMS QQ-P-35, TYPE 2

CENTER CONTACT \_\_\_\_\_ GOLD PER ASTM B 488, TYPE II, CODE C, CLASS 2.5  
(.000010 MIN.) OVER NICKEL PER QQ-N-290, CLASS 1  
(.00010 MIN.) OVER COPPER PER MIL-C-14550 (.000010 MIN.)

INSULATOR AND O'RING \_\_\_\_\_ N/A